

KELLET AIRCRAFT CORPORATION

MODELS: Kellett KD-1, KD-1A, KD-1B

T.C. NUMBER: 712

- I - Specifications Pertinent to All Models
Specification basis Type Certificate No. 712 (Aero. Bulletin 7A requirements)

EQUIPMENT:

(Datum is center line of Station 1L (lower engine mount attachment to fuselage)) (* Means net increase)

Class I:

101.	Propeller - fixed metal	54 lbs.	(-50)
	(a) Curtiss-Reed 55501 (for KD-1 and KD-1B)		
	(b) Curtiss-Reed 55501-5 (for KD-1A)		
102.	7.00-5 wheels (Hayes) with brakes and tires	33 lbs.	(-20)
103.	10.5 in. streamline tail wheel (Bendix B) and tire	6 lbs.	(+172)
104.	Starter		
	(a) Heywood (for KD-1)	32 lbs.	(-18)
	(b) Eclipse E-80 (for KD-1A and KD-1B)	18 lbs.	(-19)
105.	Battery -12 volt (Reading) and box	31 lbs.	(-5)
106.	Generator		
	(a) 15 amp. (Eclipse LV-180) (for KD-1 and KD-1B)	15 lbs.	(-21)
	(b) 15 amp. (Leece-Neville D-3) (for KD-1A)	16 lbs.	(-21)

Class II:

200.	Miscellaneous items as noted in approved weight and balance report.
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Class III:

301.	Flexible pylon installation	10 lbs.	
302.	Radio (Model KD-1A only)	40 lbs.	(+2)

NOTE A. Each aircraft manufactured after 1/14/41 must, prior to original certification, satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied.
- (b) A final inspection of the completed aircraft.
- (c) A check of flight characteristics.

NOTE 1. Eligible for export as follows subject to inspection for equipment specified in Chapter XII of Inspection Handbook (4/4/41):

- (a) Canada
 - Landplane
 - Skiplane - not eligible.
- (b) All other countries except Australia, Great Britain, and New Zealand.

NOTE 2. Prior to original certification, the firewall of Model KD-1A aircraft must be brought up to current requirements. Facing forward side of existing firewall with 1/8 in. asbestos firmly secured and finished with oil and moisture-proof paint will be considered the equivalent of current requirements.

NOTE 3. Placard front cockpit on Model KD-1A, "Solo flying from rear seat only."

II - Model KD-1, Designation 2 POLAg

Engine	Jacobs L-4MA
Placard limits	Maximum, except takeoff - in. Hg., 2000 rpm (225 hp) Takeoff (one minute) - in. Hg., 2200 rpm (245 hp)
Propeller	Maximum permissible diameter 106 in.
Placard speed	Never exceed 126 mph True Ind.
Fuel capacity	48 gallons (two fuselage tanks at 24 gallons each) (+24)
Oil capacity	4 gallons (-8)
No. passengers	1 (+31), pilot at (+66)
Baggage	30 lbs. (+86)
Standard weight	2250 lbs.
C.G. limits	(+9.2) and (+13.8)
Serial Nos.	101 and up eligible per NOTE A

III - Model KD-1A, Designation 2 POLAg

(Same as U.S. Army Air Corps Model G-1B)

Engine	Jacobs L-4-MA7
Placard limits	Maximum, except takeoff - in. Hg., 2000 rpm (225 hp) Takeoff (one minute) - in. Hg., 2200 rpm (245 hp)
Propeller	Maximum permissible diameter 106 in.
Placard speed	Never exceed 126 mph True Ind.
Fuel capacity	30 gallons (two fuselage tanks at 15 gallons each) (+17)
Oil capacity	4 gallons (-8)
No. passengers	1 (+31) or (+66) (See NOTE 3)
Baggage	30 lbs. (+86)
Standard weight	2400 lbs.
C.G. limits	(+9.2) and (+14.4)
Serial Nos.	101 to 106, inclusive, and 108 eligible per NOTES A and 2

IV - Model KD-1B, Designation 1 PCLAg

(Same as KD-1 except designation, standard weight and minor structural changes)

Engine	Jacobs L-4MA
Placard limits	Maximum, except takeoff - in. Hg., 2000 rpm (225 hp) Takeoff (one minute) - in. Hg., 2200 rpm (245 hp)
Propeller	Maximum permissible diameter 106 in.
Placard speed	Never exceed 126 mph True Ind.
Fuel capacity	30 gallons (two fuselage tanks at 15 gallons each) (+17)
Oil capacity	4 gallons (-8)
No. passengers	None
Baggage	300 lbs. (front pit) (+18), 20 lbs. (aft of pilot) (+93)
Standard weight	2400 lbs.
C.G. limits	(+9.8) and (+14.4)
Serial Nos.	101 and up eligible per NOTE A